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July 3, 2001

JC978 U.S. PRO
09/03/01
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BOX PATENT APPLICATION
Commissioner for Patents
Washington, D.C. 20231

Re: Application of Marcellin ESPEILLAC and Pierre CRESPIN
PROCEDURE AND DEVICE FOR CRACKING OF HYDROCARBONS
USING TWO SUCCESSIVE REACTION CHAMBERS
Assignee: TOTAL RAFFINAGE DISTRIBUTION S.A.
Our Ref. Q65076

Dear Sir:

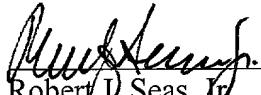
Attached hereto is the application identified above including thirty-five (35) sheets of the specification, including the claims and abstract, and four (4) sheets of formal drawings. **The requisite U.S. Government filing fee, the executed Declaration and Power of Attorney and Assignment will be submitted at a later date.** Also enclosed is an Information Disclosure Statement and PTO Form 1449 with references.

The Government filing fee is calculated as follows:

Total claims	28	-	20	=	8	x	\$18.00	=	\$144.00
Independent claims	2	-	3	=		x	\$80.00	=	\$0.00
Base Fee									\$710.00
TOTAL FEE									\$854.00

Priority is claimed from July 05, 2000 based on French Application No. 0008732. The priority document are enclosed herewith.

Respectfully submitted,
SUGHRUE, MION, ZINN,
MACPEAK & SEAS, PLLC
Attorneys for Applicant

By: 
Robert J. Seas, Jr.
Registration No. 21,092

RJS:rwl